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NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	DEC 01	ChemPort single article sales feature unavailable
NEWS	3	APR 03	CAS coverage of exemplified prophetic substances enhanced
NEWS	4	APR 07	STN is raising the limits on saved answers
NEWS	5	APR 24	CA/CAPLUS now has more comprehensive patent assignee information
NEWS	6	APR 26	USPATFULL and USPAT2 enhanced with patent assignment/reassignment information
NEWS	7	APR 28	CAS patent authority coverage expanded
NEWS	8	APR 28	ENCOMPLIT/ENCOMPLIT2 search fields enhanced
NEWS	9	APR 28	Limits doubled for structure searching in CAS REGISTRY
NEWS	10	MAY 08	STN Express, Version 8.4, now available
NEWS	11	MAY 11	STN on the Web enhanced
NEWS	12	MAY 11	BEILSTEIN substance information now available on STN Easy
NEWS	13	MAY 14	DGENE, PCTGEN and USGENE enhanced with increased limits for exact sequence match searches and introduction of free HIT display format
NEWS	14	MAY 15	INPADOCDB and INPAFAMDB enhanced with Chinese legal status data
NEWS	15	MAY 28	CAS databases on STN enhanced with NANO super role in records back to 1992
NEWS	16	JUN 01	CAS REGISTRY Source of Registration (SR) searching enhanced on STN
NEWS	17	JUN 26	NUTRACEUT and PHARMAML no longer updated
NEWS	18	JUN 29	IMSCOPROFILE now reloaded monthly
NEWS	19	JUN 29	EPFULL adds Simultaneous Left and Right Truncation (SLART) to AB, MCLM, and TI fields
NEWS	20	JUL 09	PATDPAFULL adds Simultaneous Left and Right Truncation (SLART) to AB, CLM, MCLM, and TI fields
NEWS EXPRESS	MAY 26 09		CURRENT WINDOWS VERSION IS V8.4, AND CURRENT DISCOVER FILE IS DATED 06 APRIL 2009.

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FILE 'HOME' ENTERED AT 19:10:29 ON 10 JUL 2009

=> file caplus

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FULL ESTIMATED COST	0.22	0.22

FILE 'CAPLUS' ENTERED AT 19:10:37 ON 10 JUL 2009

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FILE COVERS 1907 - 10 Jul 2009 VOL 151 ISS 3

FILE LAST UPDATED: 9 Jul 2009 (20090709/ED)

REVISED CLASS FIELDS (/NCL) LAST RELOADED: Apr 2009

USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Apr 2009

CAplus now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2009.

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<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 35641-59-9/rn or 15214-89-8/rn or 5165-97-9/rn or 114815-74-6/rn or
6964-21-2/rn or 126213-51-2/rn or 12613-50-1/rn or 109-97-7/rn or 30604-81-0/rn or
110-02-1/rn

269 35641-59-9
22 35641-59-9D
250 35641-59-9/RN
(35641-59-9 (NOTL) 35641-59-9D)
1463 15214-89-8
636 15214-89-8D
853 15214-89-8/RN
(15214-89-8 (NOTL) 15214-89-8D)
303 5165-97-9
120 5165-97-9D
186 5165-97-9/RN
(5165-97-9 (NOTL) 5165-97-9D)
137 114815-74-6
5 114815-74-6D
133 114815-74-6/RN
(114815-74-6 (NOTL) 114815-74-6D)

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416 6964-21-2
16 6964-21-2D
401 6964-21-2/RN
    (6964-21-2 (NOTL) 6964-21-2D )
7207 126213-51-2
102 126213-51-2D
7146 126213-51-2/RN
    (126213-51-2 (NOTL) 126213-51-2D )
0 12613-50-1
0 12613-50-1D
0 12613-50-1/RN
    (12613-50-1 (NOTL) 12613-50-1D )
12997 109-97-7
1676 109-97-7D
11455 109-97-7/RN
    (109-97-7 (NOTL) 109-97-7D )
12487 30604-81-0
495 30604-81-0D
12118 30604-81-0/RN
    (30604-81-0 (NOTL) 30604-81-0D )
13540 110-02-1
2153 110-02-1D
11602 110-02-1/RN
    (110-02-1 (NOTL) 110-02-1D )
L1 40562 35641-59-9/RN OR 15214-89-8/RN OR 5165-97-9/RN OR 114815-74-6/RN
    OR 6964-21-2/RN OR 126213-51-2/RN OR 12613-50-1/RN OR 109-97-7/
    RN OR 30604-81-0/RN OR 110-02-1/RN

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=> s 126213-50-1/rn
    607 126213-50-1
    50 126213-50-1D
L2 562 126213-50-1/RN
    (126213-50-1 (NOTL) 126213-50-1D )

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=> s l1 or l2
L3 40773 L1 OR L2

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=> s surfactant or detergent or amphiphil? or amphipath?
217303 SURFACTANT
194150 SURFACTANTS
277309 SURFACTANT
    (SURFACTANT OR SURFACTANTS)
88419 DETERGENT
77634 DETERGENTS
121608 DETERGENT
    (DETERGENT OR DETERGENTS)
29706 AMPHIPHIL?
6516 AMPHIPATH?
L4 403107 SURFACTANT OR DETERGENT OR AMPHIPHIL? OR AMPHIPATH?

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=> s align? or orient? or ?assembly
171828 ALIGN?
428972 ORIENT?
249704 ?ASSEMBLY
L5 814221 ALIGN? OR ORIENT? OR ?ASSEMBLY

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=> s l3 and l4 and l5
L6 57 L3 AND L4 AND L5

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=> d 16 1-3

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L6 ANSWER 1 OF 57 CAPLUS COPYRIGHT 2009 ACS on STN

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AN 2009:480541 CAPLUS
 DN 151:34267
 TI Self-assembled anionic micellar template for polypyrrole, polyaniline, and their random copolymer nanomaterials
 AU Antony, M. Jinish; Jayakannan, M.
 CS Division of Chemical Sciences and Technology, National Institute for Interdisciplinary Science and Technology, Thiruvananthapuram, 695019, India
 SO Journal of Polymer Science, Part B: Polymer Physics (2009), 47(8), 830-846
 CODEN: JPBPEM; ISSN: 0887-6266
 PB John Wiley & Sons, Inc.
 DT Journal
 LA English
 RE.CNT 61 THERE ARE 61 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 2 OF 57 CAPLUS COPYRIGHT 2009 ACS on STN
 AN 2009:464989 CAPLUS
 DN 150:516044
 TI Preparation method and application of high-dispersibility nanoscale poly(3,4-ethylenedioxythiophene)
 IN Li, Xin; Li, Xiaoning; Zhao, Guoliang; Sun, Qiang; Jin, Junping
 PA Beijing Institute of Fashion Technology, Peop. Rep. China
 SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 16pp.
 CODEN: CNXXEV
 DT Patent
 LA Chinese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	CN 101407575	A	20090415	CN 2008-10182456	20081208
PRAI	CN 2008-10182456		20081208		

L6 ANSWER 3 OF 57 CAPLUS COPYRIGHT 2009 ACS on STN
 AN 2009:161856 CAPLUS
 DN 150:273860
 TI Printable complete-polymer based radio frequency identification (rf-id) chip
 IN Xu, Haisheng
 PA Peop. Rep. China
 SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 13pp.
 CODEN: CNXXEV
 DT Patent
 LA Chinese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	CN 101359668	A	20090204	CN 2007-10044332	20070730
PRAI	CN 2007-10044332		20070730		

=> d 16 55-57

L6 ANSWER 55 OF 57 CAPLUS COPYRIGHT 2009 ACS on STN
 AN 1995:366062 CAPLUS
 DN 122:172508
 OREF 122:31477a,31480a
 TI Electrochemistry of surfactant-doped polypyrrole film (I): formation of columnar structure by electropolymerization
 AU Naoi, Katsuhiko; Oura, Yasushi; Maeda, Michiko; Nakamura, Sadako
 CS Dep. Appl. Chem., Tokyo Univ. Agric. Technol., Tokyo, 184, Japan
 SO Journal of the Electrochemical Society (1995), 142(2), 417-22

CODEN: JESOAN; ISSN: 0013-4651
PB Electrochemical Society
DT Journal
LA English

L6 ANSWER 56 OF 57 CAPLUS COPYRIGHT 2009 ACS on STN
AN 1994:551706 CAPLUS
DN 121:151706
OREF 121:27297a,27300a
TI Synthesis of amphoteric porphyrins and their photoinduced
electron transfer reactions at the lipid bilayer-water interface
AU Hwang, Kuo Chu; Mauzerall, David; Wagner, Richard W.; Lindsey, Jonathan S.
CS Rockefeller Univ., New York, NY, 10021, USA
SO Photochemistry and Photobiology (1994), 59(2), 145-51
CODEN: PHCBAP; ISSN: 0031-8655
DT Journal
LA English

L6 ANSWER 57 OF 57 CAPLUS COPYRIGHT 2009 ACS on STN
AN 1991:450398 CAPLUS
DN 115:50398
OREF 115:8781a,8784a
TI Electrochemical preparation of aligned conducting polypyrrole
AU Ryang, H. S.; Anderson, D. P.; Marcy, H. O.; Warren, L. F.; Child, A. D.
CS Sci. Cent., Rockwell Int., Thousand Oaks, CA, 91360, USA
SO Polymeric Materials Science and Engineering (1991), 64, 208-9
CODEN: PMSEDG; ISSN: 0743-0515
DT Journal
LA English

=> d 16 57 all

L6 ANSWER 57 OF 57 CAPLUS COPYRIGHT 2009 ACS on STN
AN 1991:450398 CAPLUS
DN 115:50398
OREF 115:8781a,8784a
ED Entered STN: 10 Aug 1991
TI Electrochemical preparation of aligned conducting polypyrrole
AU Ryang, H. S.; Anderson, D. P.; Marcy, H. O.; Warren, L. F.; Child, A. D.
CS Sci. Cent., Rockwell Int., Thousand Oaks, CA, 91360, USA
SO Polymeric Materials Science and Engineering (1991), 64, 208-9
CODEN: PMSEDG; ISSN: 0743-0515
DT Journal
LA English
CC 35-4 (Chemistry of Synthetic High Polymers)
AB A 1-step preparation of aligned polypyrrole film is described; the
process is based on a rotating cylinder electrodeposition.
Cetyltrimethylammonium p-toluenesulfonate is used in the polymerization
Morphol.
and elec. conductivity of the resulting films are discussed.
ST polypyrrole film aligned prep; rotating cylinder
electrodeposition polym pyrrole
IT Polymer morphology
(of polypyrrole aligned films)
IT Surfactants
(cationic, cetyltrimethylammonium toluenesulfonate, in electrochem.
polymerization of pyrrole)
IT Polymerization
(electrochem., of pyrrole, in prep of aligned films)
IT Electric conductors
(film, polypyrrole aligned, one-step process for preparation of)

IT 109-97-7, Pyrrole
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (polymerization of, one-step, in preparation of aligned films)
 IT 30604-81-0P, Polypyrrole
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation and elec. conductivity properties of aligned films of)
 IT 138-32-9, Cetyltrimethylammonium p-toluenesulfonate
 RL: USES (Uses)
 (surfactants, in electrochem. polymerization of pyrrole)

=> d 16 4-54

L6 ANSWER 4 OF 57 CAPLUS COPYRIGHT 2009 ACS on STN
 AN 2009:150865 CAPLUS
 DN 150:407338
 TI Surface aggregate morphology of chiral porphyrins as a function of
 constitution and amphiphilic nature
 AU Iavicoli, Patrizia; Simon-Sorbed, Maite; Amabilino, David B.
 CS Institut de Ciencia de Materials de Barcelona, CSIC, Cerdanyola del Valles
 Catalonia, 08193, Spain
 SO New Journal of Chemistry (2009), 33(2), 358-365
 CODEN: NJCHE5; ISSN: 1144-0546
 PB Royal Society of Chemistry
 DT Journal
 LA English
 RE.CNT 41 THERE ARE 41 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 5 OF 57 CAPLUS COPYRIGHT 2009 ACS on STN
 AN 2008:1510323 CAPLUS
 DN 150:109372
 TI Nano-fluorescent microsphere and its application
 IN Song, Wenbin; Wang, Rui; Wang, Weizhi; Liu, Tianxi
 PA Fudan University, Peop. Rep. China
 SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 8pp.
 CODEN: CNXXEV
 DT Patent
 LA Chinese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	CN 101323781	A	20081217	CN 2008-10037113	20080508
PRAI	CN 2008-10037113		20080508		

L6 ANSWER 6 OF 57 CAPLUS COPYRIGHT 2009 ACS on STN
 AN 2008:505406 CAPLUS
 DN 148:499749
 TI Nanotube wiring for lithium ion battery cathodes
 IN Exnar, Ivan; Zakeeruddin, Shaik Mohammed; Graetzel, Michael; Kavan,
 Ladislav
 PA High Power Lithium S.A., Switz.
 SO PCT Int. Appl., 97pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2008047324	A2	20080424	WO 2007-IB54246	20071018
	WO 2008047324	A3	20080612		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA,				

CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI,
 GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG,
 KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME,
 MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL,
 PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN,
 TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW
 RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
 IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF,
 BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW,
 GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,
 BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA

PRAI WO 2006-IB53833 A 20061018

L6 ANSWER 7 OF 57 CAPLUS COPYRIGHT 2009 ACS on STN
 AN 2008:325171 CAPLUS
 DN 148:551959
 TI A cationic porphyrin-based self-assembled film for mercury ion detection
 AU Fang, Zhen; Liu, Bin
 CS Department of Chemical and Biomolecular Engineering, National University
 of Singapore, Singapore, 117576, Singapore
 SO Tetrahedron Letters (2008), 49(14), 2311-2315
 CODEN: TELEAY; ISSN: 0040-4039
 PB Elsevier Ltd.
 DT Journal
 LA English
 OS CASREACT 148:551959
 RE.CNT 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 8 OF 57 CAPLUS COPYRIGHT 2009 ACS on STN
 AN 2007:1478476 CAPLUS
 DN 150:145124
 TI Conducting polymers confined within bioactive peptide amphiphile
 nanostructures
 AU Tovar, John D.; Rabatic, Bryan M.; Stupp, Samuel I.
 CS Department of Materials Science and Engineering, Institute for
 BioNanotechnology in Medicine (IBNAM), Department of Chemistry, Feinberg
 School of Medicine, Northwestern University, Evanston, IL, 60208, USA
 SO Small (2007), 3(12), 2024-2028
 CODEN: SMALBC; ISSN: 1613-6810
 PB Wiley-VCH Verlag GmbH & Co. KGaA
 DT Journal
 LA English
 RE.CNT 44 THERE ARE 44 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 9 OF 57 CAPLUS COPYRIGHT 2009 ACS on STN
 AN 2007:526303 CAPLUS
 DN 147:128050
 TI Molecular assembled self-doped polyaniline copolymer ultra-thin films
 AU Yang, Chien-Hsin; Huang, Liang-Ren; Chih, Yi-Kai; Lin, Wen-Churng; Liu,
 Feng-Jiin; Wang, Tzong-Liu
 CS Department of Chemical and Materials Engineering, National University of
 Kaohsiung, Kaohsiung, 811, Taiwan
 SO Polymer (2007), 48(11), 3237-3247
 CODEN: POLMAG; ISSN: 0032-3861
 PB Elsevier Ltd.
 DT Journal
 LA English
 RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 10 OF 57 CAPLUS COPYRIGHT 2009 ACS on STN
 AN 2007:249359 CAPLUS
 DN 146:481846
 TI Synthesis and solvent driven self-aggregation studies of
 meso-"C-glycoside"-porphyrin derivatives
 AU Stepanek, Petr; Dukh, Mykhaylo; Saman, David; Moravcova, Jitka; Kniezo,
 Ladislav; Monti, Donato; Venanzi, Mariano; Mancini, Giovanna; Drasar,
 Pavel
 CS Institute of Organic Chemistry and Biochemistry, AS CR, Prague, CZ-166 10
 6, Czech Rep.
 SO Organic & Biomolecular Chemistry (2007), 5(6), 960-970
 CODEN: OBCRAK; ISSN: 1477-0520
 PB Royal Society of Chemistry
 DT Journal
 LA English
 OS CASREACT 146:481846
 RE.CNT 100 THERE ARE 100 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 11 OF 57 CAPLUS COPYRIGHT 2009 ACS on STN
 AN 2006:986651 CAPLUS
 DN 145:361633
 TI Method for manufacturing highly ordered mesoporous polymer or carbon
 material with large specific surface area in aqueous solution
 IN Zhao, Dongyuan; Zhang, Fuqiang; Meng, Yan; Gu, Dong; Tu, Bo
 PA Fudan University, Peop. Rep. China
 SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 19pp.
 CODEN: CNXXEV

DT Patent
 LA Chinese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	CN 1834203	A	20060920	CN 2006-10024389	20060306
	CN 100395310	C	20080618		
PRAI	CN 2006-10024389		20060306		

L6 ANSWER 12 OF 57 CAPLUS COPYRIGHT 2009 ACS on STN
 AN 2006:960459 CAPLUS
 DN 147:32599
 TI Facile synthesis of poly(3,4-ethylenedioxythiophene) nanofibers from an
 aqueous surfactant solution
 AU Han, Moon Gyu; Foulger, Stephen H.
 CS Center for Optical Materials Science and Engineering Technology School of
 Materials Science and Engineering, Clemson University, Clemson, SC, 29634,
 USA
 SO Small (2006), 2(10), 1164-1169
 CODEN: SMALBC; ISSN: 1613-6810
 PB Wiley-VCH Verlag GmbH & Co. KGaA
 DT Journal
 LA English
 RE.CNT 48 THERE ARE 48 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 13 OF 57 CAPLUS COPYRIGHT 2009 ACS on STN
 AN 2006:887660 CAPLUS
 DN 146:462848
 TI Sub-micrometer-sized concentric circles patterns of polypyrrole prepared
 in emulsion
 AU Ouyang, Chu; Wang, Yong; Chen, Wei; Xue, Gi
 CS The State Key Laboratory of Coordination Chemistry Department of Polymer
 Science and Engineering, School of Chemistry and Chemical Engineering,

Nanjing University, Nanjing, 210093, Peop. Rep. China
SO PMSE Preprints (2006), 95, 843-844
CODEN: PPMRA9; ISSN: 1550-6703
PB American Chemical Society
DT Journal; (computer optical disk)
LA English

RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 14 OF 57 CAPLUS COPYRIGHT 2009 ACS on STN
AN 2006:797792 CAPLUS
DN 145:398082
TI Highly surfaced polypyrrole nano-networks and nano-fibers
AU Acik, Muge; Baristiran, Canan; Sonmez, Gursel
CS Faculty of Engineering & Natural Sciences, Chemistry Program, Sabanci
University, Istanbul, 34956, Turk.
SO Journal of Materials Science (2006), 41(14), 4678-4683
CODEN: JMTSAS; ISSN: 0022-2461
PB Springer
DT Journal
LA English

RE.CNT 38 THERE ARE 38 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 15 OF 57 CAPLUS COPYRIGHT 2009 ACS on STN
AN 2006:200810 CAPLUS
DN 145:506516
TI One-step synthesis of 3D dendritic gold/polypyrrole nanocomposites via a
self-assembly method
AU Huang, Kun; Zhang, Yuanjian; Han, Dongxue; Shen, Yanfei; Wang, Zhijuan;
Yuan, Junhua; Zhang, Qixian; Niu, Li
CS State Key Laboratory of Electroanalytical Chemistry, Changchun Institute
of Applied Chemistry, Graduate School of the Chinese Academy of Sciences,
Chinese Academy of Sciences, Changchun, 130022, Peop. Rep. China
SO Nanotechnology (2006), 17(1), 283-288
CODEN: NNOTER; ISSN: 0957-4484
PB Institute of Physics Publishing
DT Journal
LA English

RE.CNT 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 16 OF 57 CAPLUS COPYRIGHT 2009 ACS on STN
AN 2006:169139 CAPLUS
DN 144:370519
TI Electrochemical polymerization of pyrrole in supercritical carbon
dioxide-in-water emulsion
AU Jikei, Mitsutoshi; Saitoh, Suguru; Yasuda, Hajimu; Itoh, Hideaki; Sone,
Masato; Kakimoto, Masa-Aki; Yoshida, Hideo
CS Department of Material-Process Engineering and Applied Chemistry for
Environments, Akita University, Akita-shi, Akita, 010-8502, Japan
SO Polymer (2006), 47(5), 1547-1554
CODEN: POLMAG; ISSN: 0032-3861
PB Elsevier Ltd.
DT Journal
LA English

RE.CNT 47 THERE ARE 47 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 17 OF 57 CAPLUS COPYRIGHT 2009 ACS on STN
AN 2006:62044 CAPLUS
DN 144:423823

TI Layer-by-layer self-assembled conductive thin films for MEMS applications
 AU Bush, Brian; Xu, Guohua; Carraro, Carlo; Maboudian, Roya
 CS Department of Chemical Engineering, University of California, Berkeley,
 CA, 94720, USA
 SO Sensors and Actuators, A: Physical (2006), A126(1), 194-200
 CODEN: SAAPEB; ISSN: 0924-4247
 PB Elsevier B.V.
 DT Journal
 LA English
 RE.CNT 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 18 OF 57 CAPLUS COPYRIGHT 2009 ACS on STN
 AN 2006:34375 CAPLUS
 DN 144:124459
 TI Method and optical device for the observation of nanometric samples
 IN Aussere, Dominique
 PA Nanoraptor, Fr.
 SO Fr. Demande, 102 pp.
 CODEN: FRXXBL
 DT Patent
 LA French
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2872910	A1	20060113	FR 2004-7517	20040707
	FR 2872910	B1	20061013		
	WO 2006013287	A1	20060209	WO 2005-FR1746	20050706
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
	RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	EP 1779092	A1	20070502	EP 2005-788741	20050706
	R:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR			
	CN 101031789	A	20070905	CN 2005-80029959	20050706
	JP 2008506098	T	20080228	JP 2007-519841	20050706
PRAI	FR 2004-7517	A	20040707		
	WO 2005-FR1746	W	20050706		

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 19 OF 57 CAPLUS COPYRIGHT 2009 ACS on STN
 AN 2005:1346317 CAPLUS
 DN 144:233793
 TI Controllable Synthesis of Conducting Polypyrrole Nanostructures
 AU Zhang, Xuetong; Zhang, Jin; Song, Wenhui; Liu, Zhongfan
 CS Key Laboratory for the Physics and Chemistry of Nanodevices, Centre for Nanoscale Science and Technology, College of Chemistry and Molecular Engineering, Peking University, Beijing, 100871, Peop. Rep. China
 SO Journal of Physical Chemistry B (2006), 110(3), 1158-1165
 CODEN: JPCBFK; ISSN: 1520-6106
 PB American Chemical Society
 DT Journal

LA English

RE.CNT 52 THERE ARE 52 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 20 OF 57 CAPLUS COPYRIGHT 2009 ACS on STN
AN 2005:1334939 CAPLUS
DN 144:62930
TI Manufacture of polarizable electrodes for double-layer capacitors
IN Unno, Makoto
PA NEC Tokin Corp., Japan
SO Jpn. Kokai Tokkyo Koho, 9 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	JP 2005353930	A	20051222	JP 2004-174949	20040614
PRAI	JP 2004-174949		20040614		

L6 ANSWER 21 OF 57 CAPLUS COPYRIGHT 2009 ACS on STN
AN 2005:1179348 CAPLUS
DN 144:468555
TI Superlong polypyrrole nanowires aligned within ordered mesoporous silica channels
AU Guo, Ruirong; Li, Guangtao; Zhang, Weixia; Shen, Guangqiu; Shen, Dezhong
CS Key Lab of Organic Optoelectronics and Molecular Engineering Department of Chemistry, Tsinghua University, Beijing, 100084, Peop. Rep. China
SO ChemPhysChem (2005), 6(10), 2025-2028
CODEN: CPCHFT; ISSN: 1439-4235
PB Wiley-VCH Verlag GmbH & Co. KGaA
DT Journal
LA English

RE.CNT 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 22 OF 57 CAPLUS COPYRIGHT 2009 ACS on STN
AN 2005:1059135 CAPLUS
DN 144:12243
TI Morphological and Spectroscopic Properties of Thin Films of Self-Assembling Amphiphilic Porphyrins on a Hydrophilic Surface as Revealed by Scanning Near-Field Optical Microscopy
AU Nagahara, Tetsuhiko; Imura, Kohei; Okamoto, Hiromi; Oguro, Akane; Imahori, Hiroshi
CS Institute for Molecular Science and Graduate University for Advanced Studies, Okazaki, 444-8585, Japan
SO Journal of Physical Chemistry B (2005), 109(42), 19839-19844
CODEN: JPCBFK; ISSN: 1520-6106
PB American Chemical Society
DT Journal
LA English

RE.CNT 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 23 OF 57 CAPLUS COPYRIGHT 2009 ACS on STN
AN 2005:904087 CAPLUS
DN 143:235471
TI Kit and composition of imidazole with enhanced bioavailability and therapeutic uses thereof
IN Tamarkin, Dov; Friedman, Doron; Eini, Meir
PA Foamix Ltd., Israel
SO U.S. Pat. Appl. Publ., 19 pp., Cont.-in-part of U.S. Ser. No. 911,367.

CODEN: USXXCO
 DT Patent
 LA English
 FAN.CNT 33

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 20050186142	A1	20050825	US 2005-41921	20050124
	WO 2004037225	A2	20040506	WO 2003-IB5527	20031024
	WO 2004037225	A3	20041229		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	US 20050069566	A1	20050331	US 2004-911367	20040804
	ZA 2005003298	A	20060830	ZA 2005-3298	20050425
	AU 2005204347	A1	20060810	AU 2005-204347	20050830
	CA 2602042	A1	20070628	CA 2006-2602042	20060124
	WO 2007072216	A2	20070628	WO 2006-IB3974	20060124
	WO 2007072216	A3	20080508		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA				
	EP 1942870	A2	20080716	EP 2006-842390	20060124
	R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR				
	AU 2006201878	A1	20070927	AU 2006-201878	20060504
	US 20070292355	A1	20071220	US 2007-732547	20070404
	IN 2007CN03681	A	20071116	IN 2007-CN3681	20070823
PRAI	IL 2002-152486	A	20021025		
	US 2003-492385P	P	20030804		
	WO 2003-IB5527	A	20031024		
	US 2004-911367	A2	20040804		
	US 2002-429546P	P	20021129		
	US 2003-497648P	P	20030825		
	US 2003-530015P	P	20031216		
	US 2004-835505	A2	20040428		
	US 2004-922358	A2	20040820		
	US 2005-41921	A	20050124		
	US 2005-688244P	P	20050607		
	US 2005-532618	A2	20051222		
	WO 2006-IB3974	W	20060124		
	US 2006-789186P	P	20060404		
	US 2006-448490	A2	20060607		
	US 2006-861620P	P	20061129		
	US 2007-880434P	P	20070112		

AN 2005:656697 CAPLUS
DN 144:316478
TI Effects of synthesis conditions on the growth of MWCNTs using an ultra
sonic evaporator with pyrolysis of hydrocarbon (IEEE-NANO paper # 6_1)
AU Jeong, N. J.; Song, K. S.; Lee, S. J.; Ryu, I. S.; Yu, S. P.; Seo, Y. S.
CS Korea Institute of Energy Research, 71-2, Jang-Dong, Yuseong-gu, Daejeon,
305-343, S. Korea
SO IEEE-NANO 2004, Fourth IEEE Conference on Nanotechnology, Muenchen,
Germany, Aug. 16-19, 2004 (2004), 489-491 Publisher: Institute of
Electrical and Electronics Engineers, New York, N. Y.
CODEN: 69HAVP; ISBN: 0-7803-8537-3
DT Conference; (computer optical disk)
LA English
RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 25 OF 57 CAPLUS COPYRIGHT 2009 ACS on STN
AN 2005:641976 CAPLUS
DN 144:241914
TI Conducting polymer/carbon nanotube composite films made by in situ
electropolymerization using an ionic surfactant as the
supporting electrolyte
AU Zhang, Xuetong; Zhang, Jin; Liu, Zhongfan
CS Centre for Nanoscale Science and Technology (CNST), College of Chemistry
and Molecular Engineering, Peking University, Beijing, 100871, Peop. Rep.
China
SO Carbon (2005), 43(10), 2186-2191
CODEN: CRBNAH; ISSN: 0008-6223
PB Elsevier Ltd.
DT Journal
LA English
RE.CNT 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 26 OF 57 CAPLUS COPYRIGHT 2009 ACS on STN
AN 2005:411289 CAPLUS
DN 143:77988
TI Lead structures for applications in photodynamic therapy. Part 1:
Synthesis and variation of m-THPC (Temoporphin) related amphiphilic
A2BC-type porphyrins
AU Wiehe, Arno; Shaker, Yasser M.; Brandt, Johan C.; Mebs, Stefan; Senge,
Mathias O.
CS Biolitec AG, Jena, D-07745, Germany
SO Tetrahedron (2005), 61(23), 5535-5564
CODEN: TETRAB; ISSN: 0040-4020
PB Elsevier B.V.
DT Journal
LA English
OS CASREACT 143:77988
RE.CNT 78 THERE ARE 78 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 27 OF 57 CAPLUS COPYRIGHT 2009 ACS on STN
AN 2005:372381 CAPLUS
DN 143:69339
TI Lithography-free, self-aligned inkjet printing with
sub-hundred-nanometer resolution
AU Sele, Christoph W.; von Werne, Timothy; Friend, Richard H.; Sirringhaus,
Henning
CS Cavendish Laboratory, University of Cambridge, Cambridge, CB3 0HE, UK
SO Advanced Materials (Weinheim, Germany) (2005), 17(8), 997-1001
CODEN: ADVMEW; ISSN: 0935-9648

PB Wiley-VCH Verlag GmbH & Co. KGaA

DT Journal

LA English

RE.CNT 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 28 OF 57 CAPLUS COPYRIGHT 2009 ACS on STN

AN 2005:364956 CAPLUS

DN 143:85524

TI Simultaneous immobilization of cobalt tetrasulfonated phthalocyanine
during electropolymerization of pyrrole in presence of surfactants
: a study of film morphology and its conductivity

AU Muthuraman, Govindan; Shim, Yoon-Bo; Yoon, Jang-Hee; Won, Mi-Sook

CS Busan Branch, Korea Basic Science Institute, Pusan, 609-735, S. Korea

SO Synthetic Metals (2005), 150(2), 165-173

CODEN: SYMEDZ; ISSN: 0379-6779

PB Elsevier B.V.

DT Journal

LA English

RE.CNT 33 THERE ARE 33 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 29 OF 57 CAPLUS COPYRIGHT 2009 ACS on STN

AN 2005:238913 CAPLUS

DN 142:308323

TI Organized structures of amphiphilic components and methods of
making the same

IN Mirkin, Chad A.; Park, Sungho; Lim, Jung-Hyurk; Chung, Sung-Wook

PA Northwestern University, USA

SO PCT Int. Appl., 19 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	WO 2005023701	A2	20050317	WO 2004-US29005	20040903
	WO 2005023701	A3	20070426		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
	RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, AP, EA, EP, OA			
PRAI	US 2003-500056P	P	20030903		
	US 2003-523287P	P	20031118		

L6 ANSWER 30 OF 57 CAPLUS COPYRIGHT 2009 ACS on STN

AN 2005:78037 CAPLUS

DN 142:186235

TI Self-assembly of organic-inorganic nanocomposite thin films for
use in hybrid organic light-emitting devices (HLEDs)

IN Sellinger, Alan

PA Canon Kabushiki Kaisha, USA

SO U.S. Pat. Appl. Publ., 15 pp.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	US 20050019602	A1	20050127	US 2000-749006	20001227
	US 6861091	B2	20050301		
PRAI	US 2000-749006		20001227		

RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 31 OF 57 CAPLUS COPYRIGHT 2009 ACS on STN
AN 2004:1153273 CAPLUS
DN 142:249943
TI Single-Walled Carbon Nanotube-Based Coaxial Nanowires: Synthesis,
Characterization, and Electrical Properties
AU Zhang, Xuetong; Zhou, Lue; Wen, Mengting; Liang, Hailin; Zhang, Jin; Liu,
Zhongfan
CS Centre for Nanoscale Science and Technology, College of Chemistry and
Molecular Engineering, Peking University, Beijing, 100871, Peop. Rep.
China
SO Journal of Physical Chemistry B (2005), 109(3), 1101-1107
CODEN: JPCBFK; ISSN: 1520-6106
PB American Chemical Society
DT Journal
LA English
RE.CNT 48 THERE ARE 48 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 32 OF 57 CAPLUS COPYRIGHT 2009 ACS on STN
AN 2004:954446 CAPLUS
DN 142:104083
TI Observation of field-effect transistor behavior at Self-organized
interfaces
AU Chua, Lay-Lay; Ho, Peter K. H.; Sirringhaus, Henning; Friend, Richard H.
CS Cavendish Laboratory, University of Cambridge, Cambridge, CB3 0HE, UK
SO Advanced Materials (Weinheim, Germany) (2004), 16(18), 1609-1615
CODEN: ADVMEW; ISSN: 0935-9648
PB Wiley-VCH Verlag GmbH & Co. KGaA
DT Journal
LA English
RE.CNT 26 THERE ARE 26 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 33 OF 57 CAPLUS COPYRIGHT 2009 ACS on STN
AN 2004:905247 CAPLUS
DN 141:366942
TI Nanoporous composites of polymerized lyotropic liquid-crystalline
monomers, and hydrophobic polymers, and formation of these ordered
composites
IN Elliott, Brian
PA Tda Research, Inc., USA
SO U.S. Pat. Appl. Publ., 29 pp.
CODEN: USXXCO
DT Patent
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	US 20040211939	A1	20041028	US 2003-422604	20030424
	US 7090788	B2	20060815		
PRAI	US 2003-422604		20030424		

RE.CNT 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 34 OF 57 CAPLUS COPYRIGHT 2009 ACS on STN
 AN 2004:670197 CAPLUS
 DN 141:424816
 TI Preparation of conducting polymer-coated colloidal particles and their self-assembly into crystalline colloidal arrays
 AU Han, Moon Gyu; Foulger, Stephen H.
 CS School of Materials Science and Engineering, Center for Optical Materials Science and Engineering Technologies, Clemson University, Clemson, SC, 29634, USA
 SO PMSE Preprints (2004), 91, 883-884
 CODEN: PPMRA9; ISSN: 1550-6703
 PB American Chemical Society
 DT Journal; (computer optical disk)
 LA English
 RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 35 OF 57 CAPLUS COPYRIGHT 2009 ACS on STN
 AN 2004:285462 CAPLUS
 DN 141:54744
 TI Linear arrangements of polypyrrole microcontainers
 AU Yuan, Jinying; Qu, Liangti; Zhang, Deqiang; Shi, Gaoquan
 CS Department of Chemistry, Tsinghua University, Beijing, 100084, Peop. Rep. China
 SO Chemical Communications (Cambridge, United Kingdom) (2004), (8), 994-995
 CODEN: CHCOFS; ISSN: 1359-7345
 PB Royal Society of Chemistry
 DT Journal
 LA English
 RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 36 OF 57 CAPLUS COPYRIGHT 2009 ACS on STN
 AN 2004:251404 CAPLUS
 DN 140:392178
 TI In situ formed processable polypyrrole nanoparticle/amphiphilic elastomer composites and their properties
 AU Lee, Eun Seong; Park, Jae Hyung; Wallace, Gordon G.; Bae, You Han
 CS Department of Materials Science and Engineering, Kwangju Institute of Science and Technology, Kwangju, 500-712, S. Korea
 SO Polymer International (2004), 53(4), 400-405
 CODEN: PLYIEI; ISSN: 0959-8103
 PB John Wiley & Sons Ltd.
 DT Journal
 LA English
 RE.CNT 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 37 OF 57 CAPLUS COPYRIGHT 2009 ACS on STN
 AN 2004:143197 CAPLUS
 DN 140:165218
 TI Molecule alignment polymer gel and molecule alignment polymer cast film having self-organizing amphiphilic compound as template and process for producing the same
 IN Kimizuka, Nobuo; Kagawa, Kazuhiro; Nakashima, Takuya
 PA Honda Giken Kogyo Kabushiki Kaisha, Japan
 SO PCT Int. Appl., 33 pp.
 CODEN: PIXXD2
 DT Patent
 LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004014965	A1	20040219	WO 2003-JP10068	20030807
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	AU 2003254862	A1	20040225	AU 2003-254862	20030807
	EP 1553109	A1	20050713	EP 2003-784575	20030807
	EP 1553109	B1	20071024		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
	JP 4257293	B2	20090422	JP 2004-527359	20030807
	US 20060102876	A1	20060518	US 2005-524079	20051031
PRAI	JP 2002-231958	A	20020808		
	JP 2003-13943	A	20030122		
	WO 2003-JP10068	W	20030807		

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 38 OF 57 CAPLUS COPYRIGHT 2009 ACS on STN
AN 2003:879498 CAPLUS
DN 140:60696
TI Adsorbed Surfactants as Templates for the Synthesis of Morphologically Controlled Polyaniline and Polypyrrole Nanostructures on Flat Surfaces: From Spheres to Wires to Flat Films
AU Carswell, Andrew D. W.; O'Rear, Edgar A.; Grady, Brian P.
CS School of Chemical Engineering and Materials Science, University of Oklahoma, Norman, OK, 73019, USA
SO Journal of the American Chemical Society (2003), 125(48), 14793-14800
CODEN: JACSAT; ISSN: 0002-7863
PB American Chemical Society
DT Journal
LA English

RE.CNT 71 THERE ARE 71 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 39 OF 57 CAPLUS COPYRIGHT 2009 ACS on STN
AN 2003:815490 CAPLUS
DN 139:314290
TI Organic electroluminescent device and manufacture of the device
IN Takebe, Naoko; Wakita, Naohide; Sato, Tetsuya; Matsuo, Mikiko
PA Matsushita Electric Industrial Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 8 pp.
CODEN: JKXXAF
DT Patent
LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2003297578	A	20031017	JP 2002-97982	20020329
	JP 4088471	B2	20080521		
PRAI	JP 2002-97982		20020329		

L6 ANSWER 40 OF 57 CAPLUS COPYRIGHT 2009 ACS on STN

AN 2002:735194 CAPLUS
DN 138:56481
TI Novel crystalline supramolecular assemblies of amorphous polypyrrole nanoparticles through surfactant templating
AU Jang, Jyongsik; Oh, Joon Hak
CS Hyperstructured Organic Materials Research Center and School of Chemical Engineering, College of Engineering, Seoul National University, Seoul, 151-742, S. Korea
SO Chemical Communications (Cambridge, United Kingdom) (2002), (19), 2200-2201
CODEN: CHCOFS; ISSN: 1359-7345
PB Royal Society of Chemistry
DT Journal
LA English
RE.CNT 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 41 OF 57 CAPLUS COPYRIGHT 2009 ACS on STN
AN 2002:574235 CAPLUS
DN 137:290388
TI Quantitative relationships between ryanoids, receptor affinity and channel conductance
AU Welch, William
CS Department of Biochemistry, University of Nevada, Reno, NV, USA
SO Frontiers in Bioscience [online computer file] (2002), 7, D1717-D1742
CODEN: FRBIF6; ISSN: 1093-4715
URL: <http://www.bioscience.org/2002/v7/d/welch/pdf.pdf>
PB Frontiers in Bioscience
DT Journal; General Review; (online computer file)
LA English
RE.CNT 46 THERE ARE 46 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 42 OF 57 CAPLUS COPYRIGHT 2009 ACS on STN
AN 2001:205631 CAPLUS
DN 135:5957
TI Studies on formation mechanism of polypyrrole microtubule synthesized by template-free method
AU Liu, Jing; Wan, Meixiang
CS Organic Solid Laboratory, Center for Molecular Sciences, Institute of Chemistry, Chinese Academy of Sciences, Beijing, 100080, Peop. Rep. China
SO Journal of Polymer Science, Part A: Polymer Chemistry (2001), 39(7), 997-1004
CODEN: JPACEC; ISSN: 0887-624X
PB John Wiley & Sons, Inc.
DT Journal
LA English
RE.CNT 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 43 OF 57 CAPLUS COPYRIGHT 2009 ACS on STN
AN 2000:752302 CAPLUS
DN 134:42450
TI Structural control of conducting polymers using surfactant micelle
AU Naoi, Katsuhiko; Suematsu, Shunzo; Shimada, Akihiro
CS Dept. of Applied Chemistry, Tokyo University of A&T, Tokyo, Koganei-shi, Naka-machi, 184-8588, Japan
SO Nihon Yukagakkaishi (2000), 49(10), 1209-1215
CODEN: NIYUFC; ISSN: 1341-8327
PB Nihon Yukagaku Gakkai
DT Journal; General Review

LA Japanese

L6 ANSWER 44 OF 57 CAPLUS COPYRIGHT 2009 ACS on STN
AN 2000:688001 CAPLUS
DN 133:274024
TI Supramolecular opto-electronic architecture of tautomeric compositions
IN Schumaker, Robert R.
PA California Molecular Electronics Corp., USA
SO U.S., 12 pp.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	US 6124963	A	20000926	US 1999-274754	19990323
PRAI	US 1999-274754		19990323		

OS MARPAT 133:274024

RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 45 OF 57 CAPLUS COPYRIGHT 2009 ACS on STN
AN 1999:786069 CAPLUS
DN 132:146124
TI Interactions of Water-Insoluble Tetraphenylporphyrins with Micelles Probed
by UV-Visible and NMR Spectroscopy
AU Vermathen, Martina; Louie, Elizabeth A.; Chodosh, Adam B.; Ried, Sandra;
Simonis, Ursula
CS Department of Chemistry & Biochemistry, San Francisco State University,
San Francisco, CA, 94132, USA
SO Langmuir (2000), 16(1), 210-221
CODEN: LANGD5; ISSN: 0743-7463
PB American Chemical Society
DT Journal
LA English

RE.CNT 74 THERE ARE 74 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 46 OF 57 CAPLUS COPYRIGHT 2009 ACS on STN
AN 1999:748332 CAPLUS
DN 131:352095
TI Fabrication of deaggregated electrically conductive polymers and
precursors
IN Angelopoulos, Marie; Furman, Bruce K.
PA International Business Machines Corporation, USA
SO U.S., 20 pp., Division of U.S. Ser. No. 783,805.
CODEN: USXXAM

DT Patent
LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	US 5990249	A	19991123	US 1997-919740	19970828
	US 6005070	A	19991221	US 1997-783805	19970116
	US 6255450	B1	20010703	US 1999-228735	19990112
	US 20010012867	A1	20010809	US 2001-789461	20010221
	US 6806349	B2	20041019		
	US 20020024039	A1	20020228	US 2001-945898	20010904
	US 6752935	B2	20040622		
PRAI	US 1997-783805	A3	19970116		
	US 1995-452360	A3	19950530		
	US 1999-228735	A1	19990112		

US 1999-288930 A1 19990409
 RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 47 OF 57 CAPLUS COPYRIGHT 2009 ACS on STN
 AN 1999:101278 CAPLUS
 DN 130:141544
 TI Sulfur compound removal from fluids by filtration through intermetallic
 antimony-tin filter
 IN Duffield, Roger; Randall, German; Teh, Fu Yen; Ronald, Iacocca
 PA Klinair Environmental Technologies (Ireland) Ltd., Ire.
 SO PCT Int. Appl., 48 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9904898	A1	19990204	WO 1998-IE61	19980720
	W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW				
	RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	CA 2297094	A1	19990204	CA 1998-2297094	19980720
	AU 9885575	A	19990216	AU 1998-85575	19980720
	EP 1024894	A1	20000809	EP 1998-936639	19980720
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	JP 2001510728	T	20010807	JP 2000-503934	19980720
	ZA 9806487	A	19990203	ZA 1998-6487	19980721
	NO 2000000274	A	20000321	NO 2000-274	20000119
	MX 2000000718	A	20010629	MX 2000-718	20000120
PRAI	US 1997-897607	A	19970721		
	IE 1998-287	A	19980416		
	WO 1998-IE61	W	19980720		

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 48 OF 57 CAPLUS COPYRIGHT 2009 ACS on STN
 AN 1998:716188 CAPLUS
 DN 129:322745
 OREF 129:65709a,65712a
 TI Bipolar electrochemical connection of materials
 IN Bradley, Jean-claude
 PA Drexel University, USA
 SO PCT Int. Appl., 52 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9846810	A1	19981022	WO 1998-US7699	19980416
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW				

RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES,
FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI,
CM, GA, GN, ML, MR, NE, SN, TD, TG

AU	9871267	A	19981111	AU	1998-71267	19980416
US	6120669	A	20000919	US	1998-61818	19980416
PRAI	US	1997-43265P	P	19970416		
	US	1997-48475P	P	19970603		
	US	1997-66905P	P	19971114		
	US	1998-79722P	P	19980327		
	WO	1998-US7699	W	19980416		

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 49 OF 57 CAPLUS COPYRIGHT 2009 ACS on STN

AN 1998:486745 CAPLUS

DN 129:230558

OREF 129:46915a,46918a

TI Oriented molecular aggregates of porphyrin-based
amphiphiles and their morphology control by a boronic acid-sugar
interaction

AU Arimori, Susumu; Takeuchi, Masayuki; Shinkai, Seiji

CS Department of Chemical Science & Technology, Faculty of Engineering,
Kyushu University, Fukuoka, 812, Japan

SO Supramolecular Science (1998), 5(1-2), 1-8

CODEN: SUSCFX; ISSN: 0968-5677

PB Elsevier Science Ltd.

DT Journal

LA English

RE.CNT 48 THERE ARE 48 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 50 OF 57 CAPLUS COPYRIGHT 2009 ACS on STN

AN 1996:290286 CAPLUS

DN 125:10448

OREF 125:2297a,2300a

TI Porphyrin Synthesis in Surfactant Solution: Multicomponent
Assembly in Micelles

AU Bonar-Law, Richard P.

CS Cambridge Centre for Molecular Recognition, University Chemical
Laboratory, Cambridge, CB2 1EW, UK

SO Journal of Organic Chemistry (1996), 61(11), 3623-3634

CODEN: JOCEAH; ISSN: 0022-3263

PB American Chemical Society

DT Journal

LA English

OS CASREACT 125:10448

L6 ANSWER 51 OF 57 CAPLUS COPYRIGHT 2009 ACS on STN

AN 1996:97032 CAPLUS

DN 124:260666

OREF 124:48287a,48290a

TI Synthesis of philanthotoxin analogs with bulky heads including porphyrins.
Self-assembly monitored by circular dichroism

AU Huang, Danwen; Matile, Stefan; Berova, Nina; Nakanishi, Koji

CS Dep. Chem., Columbia Univ., New York, NY, 10027, USA

SO Heterocycles (1996), 42(2), 723-36

CODEN: HTCYAM; ISSN: 0385-5414

PB Japan Institute of Heterocyclic Chemistry

DT Journal

LA English

L6 ANSWER 52 OF 57 CAPLUS COPYRIGHT 2009 ACS on STN

AN 1995:973288 CAPLUS
DN 124:9587
OREF 124:2035a,2038a
TI Dual-mode ion switching conducting polymer films as high energy
supercapacitor materials
AU Naoi, Katsuhiko; Oura, Yasushi
CS Faculty Technology, Tokyo University Agriculture & Technology, Tokyo, 184,
Japan
SO Materials Research Society Symposium Proceedings (1995), 393(Materials for
Electrochemical Energy Storage and Conversion-Batteries, Capacitors and
Fuel Cells), 183-8
CODEN: MRSPDH; ISSN: 0272-9172
PB Materials Research Society
DT Journal
LA English

L6 ANSWER 53 OF 57 CAPLUS COPYRIGHT 2009 ACS on STN
AN 1995:845314 CAPLUS
DN 123:353510
OREF 123:63171a,63174a
TI Synthesis and monolayer behavior of a tetrabiotinylated porphyrin ligand
AU Fukushima, H.; Taylor, D. M.; Morgan, H.
CS Inst. Molecular Biomolecular Electronics, Univ. Wales, Gwynedd, LL57 1UT,
UK
SO Langmuir (1995), 11(9), 3523-8
CODEN: LANGD5; ISSN: 0743-7463
PB American Chemical Society
DT Journal
LA English

L6 ANSWER 54 OF 57 CAPLUS COPYRIGHT 2009 ACS on STN
AN 1995:658806 CAPLUS
DN 123:229435
OREF 123:40997a,41000a
TI Electrochemistry of polypyrrole films electropolymerized from micellar
solution of anionic surfactants
AU Maeda, Michiko; Nakamura, Sadako
CS Sci. Coll., Nippon Women's Univ., Tokyo, Japan
SO Nippon Joshi Daigaku Kiyo, Rigakubu (1995), 3, 61-7
CODEN: NJDRF7; ISSN: 0919-1593
PB Nippon Joshi Daigaku Rigakubu
DT Journal
LA English

=> d 16 29 all

L6 ANSWER 29 OF 57 CAPLUS COPYRIGHT 2009 ACS on STN
AN 2005:238913 CAPLUS
DN 142:308323
ED Entered STN: 18 Mar 2005
TI Organized structures of amphiphilic components and methods of
making the same
IN Mirkin, Chad A.; Park, Sungho; Lim, Jung-Hyurk; Chung, Sung-Wook
PA Northwestern University, USA
SO PCT Int. Appl., 19 pp.
CODEN: PIXXD2
DT Patent
LA English
IC ICM B82B
CC 76-14 (Electric Phenomena)
Section cross-reference(s): 48, 66

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005023701	A2	20050317	WO 2004-US29005	20040903
	WO 2005023701	A3	20070426		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
	RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, AP, EA, EP, OA			
PRAI	US 2003-500056P	P	20030903		
	US 2003-523287P	P	20031118		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
WO 2005023701	ICM	B82B
	IPCI	D02G0003-00 [I,C]; D02G0003-00 [I,A]; B05D0005-12 [I,C]; B05D0005-12 [I,A]; B29D0022-00 [I,C]; B29D0022-00 [I,A]; B29D0023-00 [I,C]; B29D0023-00 [I,A]; B32B0001-00 [I,C]; B32B0001-08 [I,A]
	IPCR	D02G0003-00 [I,C]; D02G0003-00 [I,A]; B05D0005-12 [I,C]; B05D0005-12 [I,A]; B29D0022-00 [I,C]; B29D0022-00 [I,A]; B29D0023-00 [I,C]; B29D0023-00 [I,A]; B32B0001-00 [I,C]; B32B0001-08 [I,A]; B82B [I,S]; B82B0001-00 [I,C*]; B82B0001-00 [I,A]
	ECLA	B82B001/00; Y01N

AB The invention provides method of using alternating polar and nonpolar segments in nanorod structures to control the assembly of the rods into flat two-dimensional and curved three dimensional structures. With these methods, different architectures can be systematically formed by controlling the composition of the nanorod structures and the ratio of the lengths of different material segments that compose the nanorods.

ST amphiphile fabrication nanostructure nanorod

IT Polymerization

(electrochem.; organized structures of amphiphilic components and methods of making for nanostructures)

IT Nanostructures

(nanorods and nanosheets; organized structures of amphiphilic components and methods of making for nanostructures)

IT Amphiphiles

Conducting polymers

Electrodeposition

Nanostructures

Nanotubes

(organized structures of amphiphilic components and methods of making for nanostructures)

IT Metals, processes

RL: PEP (Physical, engineering or chemical process); PYP (Physical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)

(organized structures of amphiphilic components and methods of making for nanostructures)

IT 7440-57-5, Gold, processes

RL: PEP (Physical, engineering or chemical process); PYP (Physical process); TEM (Technical or engineered material use); PROC (Process); USES (Uses)

(organized structures of amphiphilic components and methods of making for nanostructures)

IT 30604-81-0P, Polypyrrole
 RL: SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
 (organized structures of amphiphilic components and methods of making for nanostructures)

=> d 16 43 all

L6 ANSWER 43 OF 57 CAPLUS COPYRIGHT 2009 ACS on STN
 AN 2000:752302 CAPLUS
 DN 134:42450
 ED Entered STN: 26 Oct 2000
 TI Structural control of conducting polymers using surfactant micelle
 AU Naoi, Katsuhiko; Suematsu, Shunzo; Shimada, Akihiro
 CS Dept. of Applied Chemistry, Tokyo University of A&T, Tokyo, Koganei-shi, Naka-machi, 184-8588, Japan
 SO Nihon Yukagakkaishi (2000), 49(10), 1209-1215
 CODEN: NIYUFC; ISSN: 1341-8327
 PB Nihon Yukagaku Gakkai
 DT Journal; General Review
 LA Japanese
 CC 35-0 (Chemistry of Synthetic High Polymers)
 Section cross-reference(s): 36, 46, 72
 AB A review with 25 refs. The conducting polymers and films for electrochem. reaction, dopants, surfactant in polymerization of the conducting polymers and surfactant-introduced conducting polymers were introduced. Particular, attention was directed to our research on electrochem. reactions of polymers and feasibility as energy storage materials. Monomers of conducting polymer dissolve in the hydrophobic domain of surfactant micelles in aqueous solution and surfactant bilayers on a substrate. Surfactant hydrophilic-hydrophobic characterization makes possible structural control of electrodeposited polymer film. Polypyrrole film, a conducting polymer, with perpendicular orientation and high ion diffusivity, is formed by electropolymerization in the presence of micelles. This film can be electropolymerized even on a substrate of non-noble metal having low electronic conductivity, using an anionic surfactant. The simultaneous formation of two-layers consisting of oxide film with a high dielectric constant and polypyrrole film on valve metals such as aluminum is discussed.
 ST review conducting polymer structure control surfactant micelle; electrochem polymer electrode pyrrole structure control review
 IT Conducting polymers
 (polypyrroles; structural control of conducting polymers using surfactant micelle)
 IT Dopants
 Electrode reaction
 Micelles
 Molecular structure
 Surfactants
 (structural control of conducting polymers using surfactant micelle)
 IT 30604-81-0P, Polypyrrole
 RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
 (conducting polymer; structural control of conducting polymers using surfactant micelle)

=> d his

(FILE 'HOME' ENTERED AT 19:10:29 ON 10 JUL 2009)

FILE 'CAPLUS' ENTERED AT 19:10:37 ON 10 JUL 2009

L1 40562 S 35641-59-9/RN OR 15214-89-8/RN OR 5165-97-9/RN OR 114815-74-6
L2 562 S 126213-50-1/RN
L3 40773 S L1 OR L2
L4 403107 S SURFACTANT OR DETERGENT OR AMPHIPHIL? OR AMPHIPATH?
L5 814221 S ALIGN? OR ORIENT? OR ?ASSEMBLY
L6 57 S L3 AND L4 AND L5

=> s l3 and l4

L7 946 L3 AND L4

=> s film or gel or hydrogel

1173639 FILM

953949 FILMS

1508920 FILM

(FILM OR FILMS)

569512 GEL

118471 GELS

615823 GEL

(GEL OR GELS)

24655 HYDROGEL

24604 HYDROGELS

31741 HYDROGEL

(HYDROGEL OR HYDROGELS)

L8 2104603 FILM OR GEL OR HYDROGEL

=> s l7 and l8

L9 348 L7 AND L8

=> s polypyrrole

14313 POLYPYRROLE

2702 POLYPYRROLES

L10 14939 POLYPYRROLE

(POLYPYRROLE OR POLYPYRROLES)

=> s l10 and l4

L11 521 L10 AND L4

=> s l10 and l4 and l8

L12 225 L10 AND L4 AND L8

=> s l12 and l5

L13 17 L12 AND L5

=> s l13 not l6

L14 3 L13 NOT L6

=> d l14 1-3

L14 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2009 ACS on STN

AN 2007:1080722 CAPLUS

DN 148:13005

TI A Pyrrole-Containing Surfactant as a Tecton for Nanocomposite
SiO2 Films

AU Kaper, Helena; Franke, Danielle; Smarsly, Bernd M.; Faul, Charl F. J.

CS Max Planck Institute of Colloids and Interfaces, Potsdam, D-14424, Germany

SO Langmuir (2007), 23(22), 11273-11280

CODEN: LANGD5; ISSN: 0743-7463

PB American Chemical Society

DT Journal
LA English
RE.CNT 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2009 ACS on STN
AN 2002:513035 CAPLUS
DN 137:64261
TI Transparent sealing tapes for manufacture of cover tapes for packaging
electronic components
IN Nakanishi, Hisao
PA Sumitomo Bakelite Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 4 pp.
CODEN: JKXXAF

DT Patent
LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	JP 2002193377	A	20020710	JP 2000-398851	20001227
PRAI	JP 2000-398851		20001227		

L14 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2009 ACS on STN
AN 1994:410137 CAPLUS
DN 121:10137
OREF 121:2137a,2140a
TI Lamellar Conjugated Polymers by Electrochemical Polymerization of
Heteroarene-Containing Surfactants: Potassium
3-(3-Alkylpyrrol-1-yl)propanesulfonates
AU Collard, David M.; Stoakes, Mark S.
CS School of Chemistry and Biochemistry, Georgia Institute of Technology,
Atlanta, GA, 30332-0400, USA
SO Chemistry of Materials (1994), 6(6), 850-7
CODEN: CMATEX; ISSN: 0897-4756
DT Journal
LA English

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(FILE 'HOME' ENTERED AT 19:10:29 ON 10 JUL 2009)

FILE 'CAPLUS' ENTERED AT 19:10:37 ON 10 JUL 2009

L1 40562 S 35641-59-9/RN OR 15214-89-8/RN OR 5165-97-9/RN OR 114815-74-6
L2 562 S 126213-50-1/RN
L3 40773 S L1 OR L2
L4 403107 S SURFACTANT OR DETERGENT OR AMPHIPHIL? OR AMPHIPATH?
L5 814221 S ALIGN? OR ORIENT? OR ?ASSEMBLY
L6 57 S L3 AND L4 AND L5
L7 946 S L3 AND L4
L8 2104603 S FILM OR GEL OR HYDROGEL
L9 348 S L7 AND L8
L10 14939 S POLYPYRROLE
L11 521 S L10 AND L4
L12 225 S L10 AND L4 AND L8
L13 17 S L12 AND L5
L14 3 S L13 NOT L6

=> log off

ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF
LOGOFF? (Y)/N/HOLD:y
STN INTERNATIONAL LOGOFF AT 19:43:13 ON 10 JUL 2009

